A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09G3/34 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G09G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with Indication, where appropriate, of the relevant passages Relevant to claim No. χ US 2002/196207 A1 (MACHIDA YOSHINORI 1,3-5AL) 26 December 2002 (2002-12-26) 2 Α X US 4 041 481 A (SATO TERUO) 1,3,4 9 August 1977 (1977-08-09) the whole document 2,5 US 4 947 159 A (DI SANTO FRANK J ET AL) 1,3 χ 7 August 1990 (1990-08-07) 2,4,5 Α WO 03/050606 A (MURATA KAZUYA ; NIHEI 1,4 χ NORIO (JP); KITANO SOU (JP); BRIDGESTONE CORP (J) 19 June 2003 (2003-06-19) the whole document 2,3,5 -& EP 1 462 847 A (BRIDGESTONE CORP) Ε 1,4 29 September 2004 (2004-09-29) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date *L* document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 15/12/2004 3 December 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Harke, M Fax: (+31-70) 340-3016

information on patent family members

Internal Application No PET/IB2004/051052

| Patent document clted in search report | | | Publication date | | Patent family member(s) | | Publication date |
|--|------------|----|------------------|----------------------------|---|-------------------------|--|
| US | 2002196207 | A1 | 26-12-2002 | JP | 2003005227 | Α | 08-01-2003 |
| US | 4041481 | A | 09-08-1977 | JP JP JP JP JP | 54006360 946920 | A B C A | 19-10-1979 08-04-1976 27-03-1979 30-03-1979 08-04-1976 07-08-1978 |
| US | 4947159 | Α | 07-08-1990 | NONE | | | |
| WO | 03050606 | Α | 19-06-2003 | EP WO JP JP JP | 2003248249 2003248250 | A1 A1 A A A | 29-09-2004 19-06-2003 05-09-2003 05-09-2003 05-09-2003 |
| EP | 1462847 | Α | 29-09-2004 | EP WO JP JP JP | 1462847 03050606 2003248249 2003248250 2003248245 | A1 A1 A A A | 29-09-2004 19-06-2003 05-09-2003 05-09-2003 05-09-2003 |